

Appl. No. 09/508,794
Amdt. dated July 28, 2003
Reply to Office Action of March 27, 2003

LISTING OF CLAIMS

Claims ~~30-45~~ (cancel)

Claims 76-139 (cancel)

SEP

140. (Currently Amended) A mobile digital display means, comprising:

- a) a casing having a at least one display unit comprising a touch screen,
- aa) the casing having at least a first part and a second part, said first and second parts being hinged together by a hinge means such that the casing is adapted to be folded open and shut; and
- ab) the touch screen being adapted to provide at least one virtual operating element;
- b) at least one manipulation region for use by a user;
- ba) said manipulation region being designed in the side zone of the casing such that the user can execute operations with the fingers of a hand holding the casing;
- bb) the manipulation region providing at least one multifunction operating element adapted to be actuated by at least one finger of the hand holding the casing; and
- ba & c) where an operating function can either be triggered by the at least one virtual operating element by action of the thumb of the hand without this necessitating substantial shifting of the wrist of the hand relative to the casing (G) or and by action of a finger of the hand on the multifunction operating element.

cont

141. (Previously Added) Mobile digital display means according to claim 140, wherein said hinge means comprises a light emitting diode for indicating the charging state of a battery or an accumulator.

142. (Previously Added) Mobile digital display means according to claim 140, wherein the hinge means comprises a compartment.

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143. (Previously Added) Mobile digital display means according to claim 142, wherein the compartment comprises at least one electronic component.

144. (Previously Added) Mobile digital display means according to claim 140, wherein the compartment comprises at least one connector means.

145. (Previously Added) Mobile digital display means according to claim 144, wherein the connector means is adapted to be coupled with at least one external device.

146. (Previously Added) Mobile digital display means according to claim 140, wherein the second part is adapted to be removable from the main part.

147. (Previously Added) Mobile digital display means according to claim 140, wherein the inwardly curved region substantially extends from a first edge zone to an opposite second edge zone of the casing.

148. (Previously Added) Mobile digital display means according to claim 140, wherein the inwardly curved region substantially in parallel to the gripping handle.

149. (Previously Added) Mobile digital display means according to claim 140, wherein the inwardly curved region substantially in parallel to the accumulator.

150. (Previously Added) Mobile digital display means according to claim 140, where said at least one outer edge designed as a gripping handle comprises at least one battery or accumulator.

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151. (Previously Added) Mobile digital display means according to claim 140, the screen being a touch screen operable by at least one finger of a hand or with a screen pen.

152. (Cancel)

153. (Previously Added) Mobile digital display means according to claim 140, where said at least one outer edge designed as a gripping handle is substantially of cylindrical shape.

154. (Previously Added) Mobile digital display means according to claim 140, where said at least one outer edge designed as a gripping handle comprises multiple operating switches, the switches being adapted to be used as directional keys and/or function keys which can be operated individually or in combination.

155. (Previously Added) Mobile digital display means according to claim 140, where a second outer edge of the display located opposite to the said at least one outer edge has a larger thickness than the display unit in the inwardly curved region.

156. (Previously Added) Mobile digital display means according to claim 140, where at least one of the left and right outer edges is rounded.

157. (Cancel)

158. (Previously Added) Mobile digital display means according to claim 140, further comprising an interface unit for inputting and outputting information and for supplying energy.

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159. (Previously Added) Mobile digital display means according to claim 158, further comprising a removable supply unit, the casing being insertable into the supply unit, the supply unit adapted to be connected with the interface unit.

160. (Previously Added) Mobile digital display means according to claim 159, the supply unit comprising a connecting cable for inputting and/or outputting information.

161. (Previously Added) Mobile digital display means according to claim 158, the connecting cable being adapted to connect the supply unit to an element taken from a set comprising a computer, a modem, and a power supply.

162. (Previously Added) Mobile digital display means according to claim 140,
a) further comprising a control unit;
b) the control unit having means for receiving, storing, processing and reproducing information contains a control means comprising at least one RAM, a ROM and/or an EPROM, at least one processor, at least one driver circuit and a bus line.

163. (Previously Added) Mobile digital display means according to claim 140, said control unit having means for receiving, storing, processing and reproducing information, the information may be present in the form of text, image, graphical, audio and/or video information.

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164. (Previously Added) Mobile digital display means according to claim 140,
- a) further comprising at least one manipulation region for use by a user,
 - b) said manipulation region being located at the least one outer edge of the display unit such that the user can execute operations with the fingers of a hand holding the casing;
 - c) the manipulation region has provided therein at least one operating element adapted to be actuated, and
 - d) the at least one operating element triggering one or more functions out of the set comprising:
 - leafing-through functions,
 - scrolling functions,
 - providing functions for selection menus,
 - selection functions within selection menus,
 - effecting a change in operating state,
 - setting document information,
 - loading document information, and
 - switching over to a different mode of operation.

165. (Previously Added) Mobile digital display means according to claim 140, the screen being a touch screen operable by at least one finger of a hand or with a screen pen.

166. (Cancel)

167. (Previously Added) Mobile digital display means according to claim 140, wherein the display unit is located on the first part, the second part comprising a keyboard.

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168. (Currently Amended) A digital book, comprising:

- a) a casing having a display unit with at least one touch screen, the touch screen being adapted to provide at least one virtual operating element;
- b) at least one manipulation region for use by a user;
- ba) said manipulation region being designed in the side zone of the casing such that the user can execute operations with the fingers of a hand holding the casing;
- bb) the manipulation region providing at least one multifunction operating element adapted to be actuated by at least one finger of the hand holding the casing; and
- bd-c) where an operating function can either be triggered by the at least one virtual operating element by action of the thumb of the hand without this necessitating substantial shifting of the wrist of the hand relative to the casing ~~or~~ and by action of a finger of the hand on the multifunction operating element.

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cont.

169. (Previously Added) Digital book according to claim 168, wherein the inwardly curved region substantially extends from a first edge zone to an opposite second edge zone of the casing.

170. (Previously Added) Digital book according to claim 168, wherein the inwardly curved region substantially in parallel to the gripping handle.

171. (Previously Added) Digital book according to claim 168, wherein the inwardly curved region substantially in parallel to the accumulator.

172. (Previously Added) Digital book according to claim 168, where said at least one outer edge designed as a gripping handle comprises at least one battery or accumulator.

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173. (Previously Added) Digital book according to claim 168, the screen being a touch screen operable by at least one finger of a hand or with a screen pen.

174. (Cancel)

175. (Previously Added) Digital book according to claim 168, where said at least one outer edge designed as a gripping handle is substantially of cylindrical shape.

176. (Previously Added) Digital book according to claim 168, where said at least one outer edge designed as a gripping handle comprises multiple operating switches, the switches being adapted to be used as directional keys and/or function keys which can be operated individually or in combination.

177. (Previously Added) Digital book according to claim 168, where a second outer edge of the display located opposite to the said at least one outer edge has a larger thickness than the display unit in the inwardly curved region.

178. (Previously Added) Digital book according to claim 168, where at least one of the left and right outer edges is rounded.

179. (Cancel)

180. (Previously Added) Digital book according to claim 168, further comprising an interface unit for inputting and outputting information and for supplying energy.

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181. (Currently Amended) Digital book according to claim ~~105~~ 168, further comprising a removable supply unit, the casing being insertable into the supply unit, the supply unit adapted to be connected with the interface unit.

182. (Previously Added) Digital book according to claim 181, the supply unit comprising a connecting cable for inputting and/or outputting information.

183. (Previously Added) Digital book according to claim 182, the connecting cable being adapted to connect the supply unit to an element taken from a set comprising a computer, a modem, and a power supply.

C/Cont
184. (Previously Added) Digital book according to claim 168,
a) further comprising a control unit;
b) the control unit having means for receiving, storing, processing and reproducing information contains a control means comprising at least one RAM, a ROM and/or an EPROM, at least one processor, at least one driver circuit and a bus line.

185. (Previously Added) Digital book according to claim 184, said control unit having means for receiving, storing, processing and reproducing in formation, the information may be present in the form of text, image, graphical, audio and/or video information.

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186. (Previously Added) Digital book according to claim 168,
- a) further comprising at least one manipulation region for use by a user,
 - b) said manipulation region being located at the least one outer edge of the display unit such that the user can execute operations with the fingers of a hand holding the casing;
 - c) the manipulation region has provided therein at least one operating element adapted to be actuated, and
 - d) the at least one operating element triggering one or more functions out of the set comprising:
 - leafing-through functions,
 - scrolling functions,
 - providing functions for selection menus,
 - selection functions within selection menus,
 - effecting a change in operating state,
 - setting document information,
 - loading document information, and
 - switching over to a different mode of operation.

187. (Previously Added) Digital book according to claim 168, wherein the casing has at least a first part and a second part, said first and second parts being hinged together by a hinge means such that the casing is adapted to be folded open and shut.

188. (Previously Added) Digital book according to claim 187, wherein the hinge means comprises a compartment.

189. (Previously Added) Digital book according to claim 188, wherein the compartment comprises at least one electronic component.

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190. (Previously Added) Digital book according to claim 188, wherein the compartment comprises at least one connector means.

191. (Previously Added) Digital book according to claim 190, wherein the connector means is adapted to be coupled with at least one external device.

192. (Previously Added) Digital book according to claim 187, wherein the second part is adapted to be removable from the main part.

193. (Previously Added) Digital book according to claim 168, the screen being a touch screen operable by at least one finger of a hand or with a screen pen.

194. (Cancel)

Cancel
195. (Previously Added) Digital book according to claim 168, further comprising coupling means for electric coupling of a data carrier unit, said coupling means, after coupling of the data carrier unit, automatically reading out data from the data carrier unit, and the data carrier unit comprising at least a memory means with software stored therein for expanding the range of capabilities with regard to the information to be displayed, the information being input via the data carrier unit.

196. (Previously Added) Digital book according to claim 168, further comprising coupling means for electric coupling of a data carrier unit, the data carrier unit comprising a hardware extension.

197. (Previously Added) Mobile digital display means according to claim 168, wherein the display unit is located on the first part, the second part comprising a keyboard.

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REMARKS

The Office Action mailed on March 27, 2003 is acknowledged. The subject amendment is in response to the telephonic interview conducted between Examiner Mengistu and the undersigned on June 24, 2003. Applicants request reexamination of the above-mentioned application in view of the above amendments and remarks which follow.

Claims 30-46 and 76-197 are pending in this application. Original claims 30-46, 76-139, 152, 157, 166, 174, 179 and 194 have been canceled herein. Claims 140, 168 and 181 are amended herein.

In the interview, Applicant reviewed claims 140 and 168 in light of the prior art, and in particular in relation to Eberhard, et al. Applicants proposed to amend claims 140 and 168 to delete the alternative language as objected to by the Examiner. In the interview, the Examiner expressed his concern and interpretation that, due to the alternative language, there was either a virtual operating element or a manipulation region. Rather, Applicants intend that the interpretation of the claims be that there is always a virtual operating element and a manipulation region; and that a function can be triggered by the operation of the thumb as well as by the finger.

Applicants also proposed to amend claim 181 to depend from claim 168, rather than claim 105. The Examiner indicated that this claim amendment would overcome the prior art rejection.

In addition, and after review of the Final Rejection, Applicants note that the Examiner objected to the language in the claims to "a transmitter and a receiver for wireless"; "light emitting diode" and "means for receiving the screen pen for use as operating, writing."